

QUALITY ASSURANCE PROVISIONS (QAP)
(DARCOM-R 702-10)

1. COMMAND AGENCY:
U.S. ARMY ARMAMENT, RESEARCH, DEVELOPMENT AND ENGINEERING CENTER
PICATINNY ARSENAL, N.J. 07806-5000
2. THESE QAP'S FORM PART OF DRAWING/SPECIFICATION 11829273 AS SPECIFIED IN THE CONTRACT.
INSPECTION SHALL BE CONDUCTED AS SPECIFIED HEREIN AND IN ACCORDANCE WITH REFERENCED DOCUMENTS.

PART I. LIST OF APPLICABLE DOCUMENTS

DRAWINGS

NUMBER

NOMENCLATURE

11829273

Mounting Plate, Gearmotor

STANDARDS

MIL-STD-130

Identification Marking for US Military Property

SPECIFICATIONS

MIL-F-13926

Fire Control Materiel: General Specification
Governing the Manufacture and Inspection of
Finishes for Ground Signal Equipment

MIL-F-14072

DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.

REVISIONS									
4. RELEASE NUMBER	D3I3100								
5. DATE	940510								
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5. DATE									
REVISION STATUS OF SHEETS	6. REVISION	A	A	A	A	A	A		
	7. SHEET	1	2	3	4	5	6		
	6. REVISION								
	7. SHEET								
8. QAP FOR: MOUNTING PLATE, GEARMOTOR (IRETS)									CAGE CODE 19200
9. SUBMITTED BY SMCAR-QAF-A <i>Edward Kravetz</i>							10. QAP NO.: 11829273		
11. DATE: 850220	12. APPROVED: Chief, SMCAR-QAF-A <i>[Signature]</i>				13. RELEASE NO. F5X5000	14. PAGE NO.: 1	15. NO. OF PAGES: 6		

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PART II. QUALITY PROVISIONS

1. Responsibility for inspection. Unless otherwise specified in the contract or purchase order, the contractor is responsible for the performance of all inspection requirements (examinations and tests) as specified herein. Except as otherwise specified in the contract or purchase order, the contractor may use his own or any other facilities suitable for the performance of the inspection requirements specified herein, unless disapproved by the Government. The Government reserves the right to perform any of the inspections set forth in this specification where such inspections are deemed necessary to ensure supplies and services conform to prescribed requirements.

2. Responsibility for compliance. All items shall meet all requirements of referenced drawings, special packaging instructions, and specifications. The inspection set forth in this QAP shall become a part of the contractor's overall inspection system or quality program. The absence of any inspection requirements in this QAP shall not relieve the contractor of the responsibility of ensuring that all products or supplies submitted to the Government for acceptance comply with all requirements of the contract. Sampling inspection, as part of manufacturing operations, is an acceptable practice to ascertain conformance to requirements; however, this does not authorize submission of known defective material, either indicated or actual, nor does it commit the Government to accept defective material.

3. General specification. Unless otherwise specified in the contract, the provisions of general specification MIL-F-13926 apply and are hereby made a part of this QAP.

4. First article inspection.

4.1 Submission. Unless otherwise specified, a first article sample consisting of three (3) Mounting Plates, Gearmotors shall be submitted for inspection and approval in accordance with the terms of the contract. The sample item will be subjected to all of the quality conformance inspections listed in this QAP and may be inspected for compliance with any or all of the requirements of the applicable drawings(s) or specification(s).

4.2 Rejection. If any sample item fails to comply with any of the applicable requirements, the first article sample shall be rejected. The Government reserves the right to terminate inspection upon any failure to comply with any of the requirements.

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3.

5. Quality conformance inspection. Quality conformance inspection shall consist of inspection of all characteristics listed in Part III, Inspection Requirements, and Part IV, Certification Requirements, of this QAP. Failure to comply with the conformance criteria specified shall be cause for rejection of the lot or quantity represented. All other quality characteristics not specifically listed herein are subject to control under the contractor's quality program or inspection system.

5.1 Lot formation.

5.2 Attributes sampling inspection. Unless otherwise specified, sampling inspection for quality conformance characteristics listed in Part III shall be in accordance with the stated inspected levels from Table I below. Samples shall be selected at random so as to be representative of the lot.

TABLE I. Attributes sampling inspection.

Lot Size	Inspection Levels			
	I	II	III	IV
2 to 8	*	*	*	*
9 to 15	*	*	*	13
16 to 25	*	*	*	13
26 to 50	*	*	32	13
51 to 90	*	*	32	13
91 to 150	*	125	32	13
151 to 280	*	125	32	32
281 to 500	*	125	32	32
501 to 1200	*	125	80	50

Asterisks indicate 100 percent inspection. Numbers under Inspection Level columns indicate sample size. If sample size exceeds lot size, perform 100 percent inspection. Reject the lot represented if one or more nonconforming characteristics are found in any sample for any level.

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5.3 Alternative quality conformance provisions. Unless otherwise specified, alternative quality conformance provisions, such as statistical process controls or variable sampling plans, may be used by the contractor in lieu of the inspection provisions contained herein when such alternative(s) provide an equivalent or better level of quality assurance, and provided they have been described in a written proposal which has been approved by the Government. All approved alternative quality conformance provisions shall be incorporated into the contractor's quality program or inspection system.

PART III. INSPECTION REQUIREMENTS

1. Classification of Quality Conformance Characteristics.

a. Mounting Plate, Gearmotor: 11829273

<u>Class</u>	<u>Characteristic</u>	<u>Zone</u>	<u>Conformance Criteria</u>	<u>Inspection Method</u>
<u>Critical:</u> None.				
<u>Major:</u>				
			<u>LEVEL</u>	
101.	1.121-1.124 ID of hole 1.121-1.124 ID of hole	D-6	III	SMTE
*102.	4.145	C-4	III	SMTE
*103.	4.215	C-4	III	SMTE
*104.	.106-.116	B-6	III	SMTE
*105.	.156-.164	B-6	III	SMTE
*106.	1.015	D-6	III	SMTE
*107.	.213 DIA 4 holes	B-3	III	SMTE
*108.	3.375 location of holes (2PL)	C-7&C-8	III	SMTE
*109.	.670 location of holes	C-8	III	SMTE
*110.	1.688 location of holes	C-7	III	SMTE

*Characteristics preceded by an asterisk apply to alternate (configuration 2) construction only

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Minor:

201.	Protective finish per dwg. and MIL-F-14072	IV	Visual
202.	Marking illegible or not per MIL-STD-130	IV	Visual
203.	Insert missing or improperly assembled (not applicable to alternate configuration 2 construction)	IV	Visual
204.	Poor workmanship (see MIL-F-13926)	IV	Visual

b. Packaging for Mounting Plate, Gearmotor: 11829273

<u>Class</u>	<u>Characteristic</u>	<u>Conformance Criteria</u>	<u>Inspection Method</u>
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Critical: None.

Major:

		<u>LEVEL</u>	
101.	Item not completely clean and dry prior to unit packaging	IV	Visual
102.	Bag not properly sealed (when applicable)	IV	Visual
103.	Unit pack and/or shipping container or closure missing, or incorrect	IV	Visual
104.	Marking incorrect, missing, or illegible	IV	Visual

Minor: None.

PART IV. CERTIFICATION REQUIREMENTS

The certification provisions of MIL-F-13926 for Certified Test Report (CTR) and Certification of Conformance (COC) shall apply. COC or CTR, as applicable is required for the following:

<u>Number</u>	<u>Characteristic</u>	<u>Certification Method</u>
401.	Material per dwg. 11829273	COC

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PART V. TEST METHODS AND PROCEDURES

None

PART VI. NOTES

1. Inspection equipment. The contractor is required to furnish all equipment to perform inspections and tests stipulated herein and any others required for acceptance. Designs of special test equipment (STE) or equipment designed by the contractor, to be used for major and critical characteristics, shall be submitted to the Government technical agency for approval prior to use. When the contractor chooses to use standard measuring test equipment (SMTE) for major and critical characteristics in lieu of a gage called out in the QAP, a description of the set-up and procedure shall be submitted to the Government technical agency prior to use. Equipment and procedures used for minor characteristics shall be approved by the local Government quality assurance representative.

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